



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

CGI Windows & Doors

10100 NW 25th Street

Miami, FL 33172

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Sentinel 130" Aluminum Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. W10-02, titled "Series Sentinel 130 Alum Fixed Window (L.M.I.) (S.M.I.)", sheets 1, 1.1, 2, 3, 4, 5 and 6 of 6, dated 01/30/10, with revision F dated 04/10/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA# 14-0731.05 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



MP
6/18/15

NOA No. 15-0413.03
Expiration Date: September 22, 2020
Approval Date: June 25, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W10-02**, titled Series Sentinel 130 Alum Fixed Window (L.M.I.) (S.M.I.), sheets 1, 1.1, 2, 3, 4, 5 and 6 of 6, dated 01/30/10, with revision F, dated 04/10/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 7500 PVC fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. **CTLA-3056 WA**, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E.
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 7400 PVC project out window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. **CTLA-3056 WB**, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E.
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 238 aluminum fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. **CTLA-3056 WC**, dated 04/16/15, signed and sealed by Ramesh C. Patel, P.E.
4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a Sentinel 130 aluminum fixed window, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0080-0103-10**, dated 03/30/10, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No.10-0510.13)



Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0413.03

Expiration Date: September 22, 2020
Approval Date: June 25, 2015

CGI Windows & Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)**, dated July 18, 2014, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under previous NOA No.14-0731.05)
2. Glazing complies with **ASTM E1300-09**.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.
3. Notice of Acceptance No. **14-0423.17** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 06/19/14, expiring on 05/21/16.
4. Notice of Acceptance No. **14-0423.15** issued to **Eastman Chemical Company (MA)** for their "**Saflex CP - Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 06/19/14, expiring on 12/11/18.

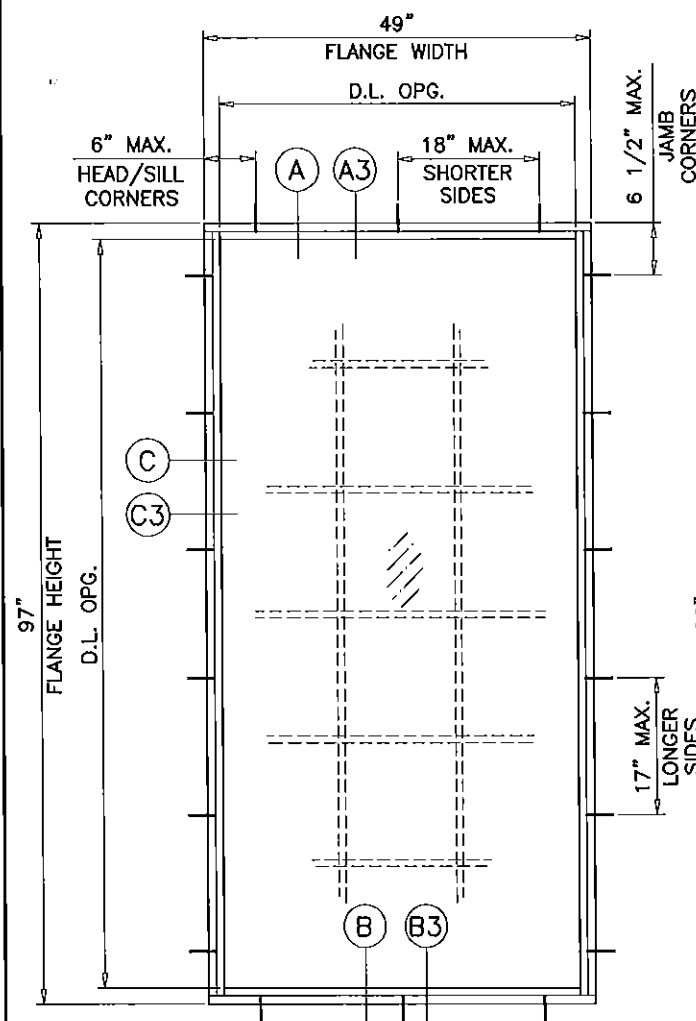
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, and of no financial interest, dated July 18, 2014, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under previous NOA No.14-0731.05)
2. Laboratory compliance letter for Test Report No. **HTL-0080-0103-10**, issued by Hurricane Test Laboratory, LLC, dated March 30, 2010, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No.10-0510.13)
3. Testing Proposal issued by the Product Control Section, dated 12/16/14, signed by Jaime Gascon, P.E., Supervisor, Product Control Section

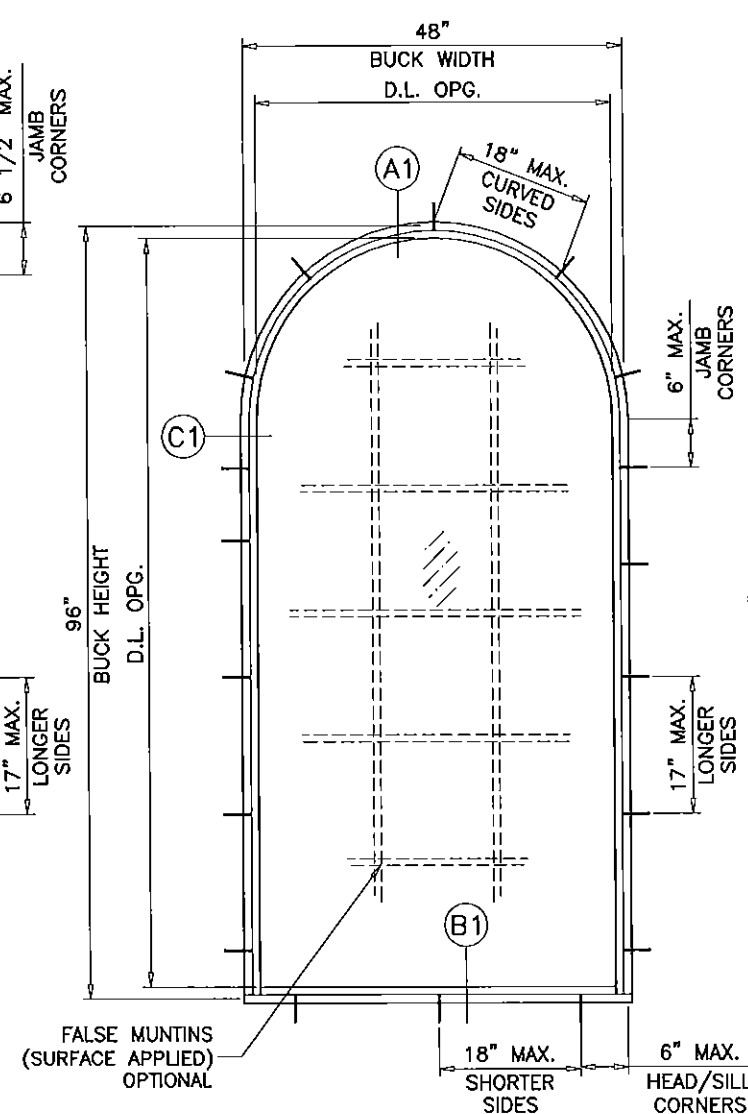
G. OTHERS

1. Notice of Acceptance No. **14-0731.05**, issued to CGI Windows & Doors, for their Series "**Sentinel 130**" Aluminum Fixed Window – L.M.I. approved on 10/16/14 and expiring on 09/22/15.

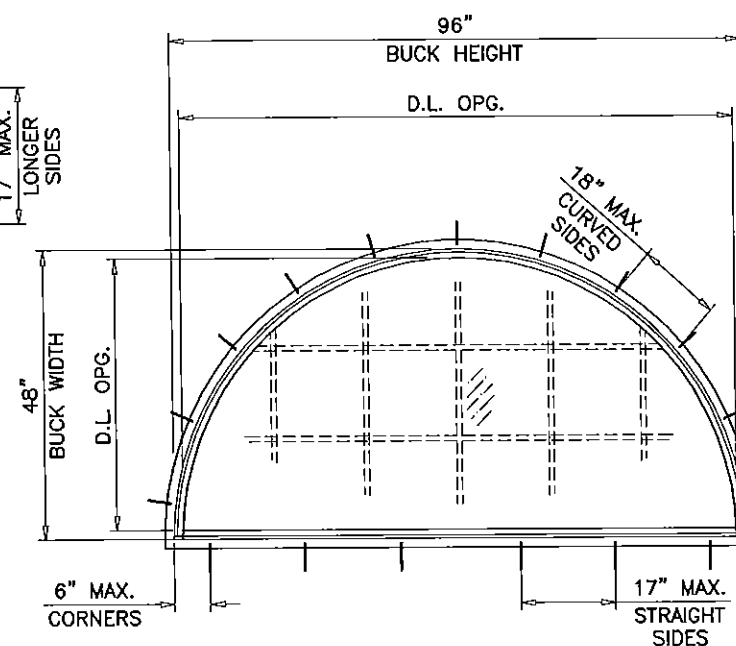
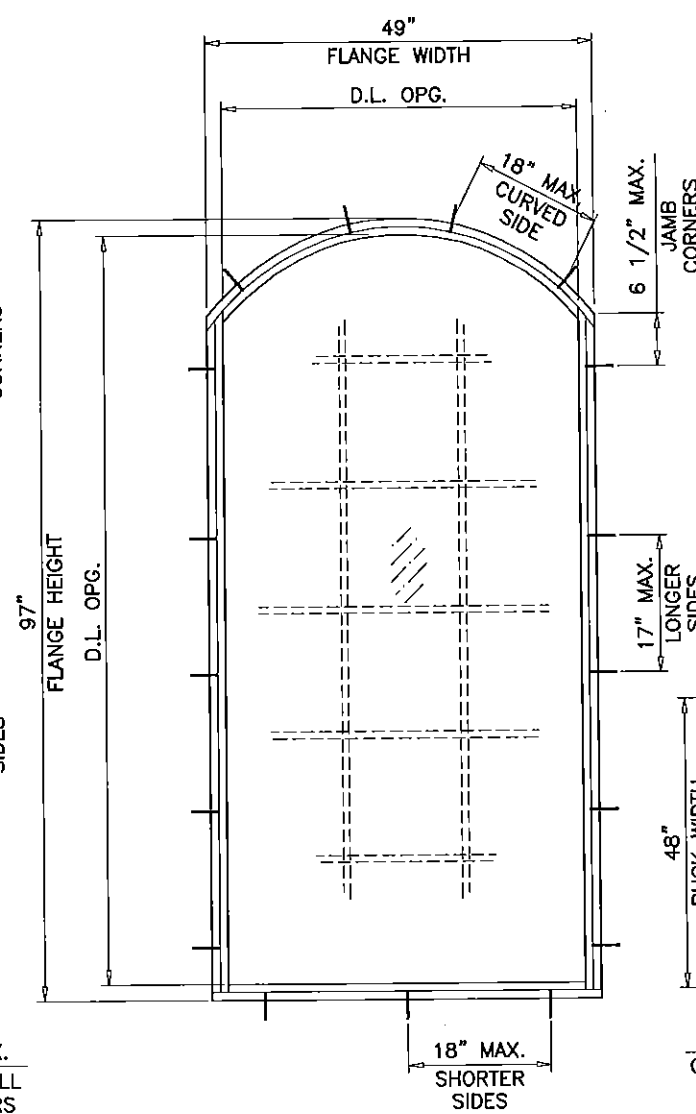

Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0413.03
Expiration Date: September 22, 2020
Approval Date: June 25, 2015



FLANGE & FLANGE ADAPTOR FRAME



EQUAL LEG FRAME



TYPICAL ELEVATIONS

ANCHOR SPACING SHOWN HEREIN APPLICABLE TO FLANGE AND FLUSH FRAMES. SEE SHEET 1.1 FOR FIN FRAMES.

SERIES 130 SENTINEL ALUMINUM FIXED WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIX./FIX. OR FIX. WDW. WITH OTHER MIAMI-DADE COUNTY APPROVED WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

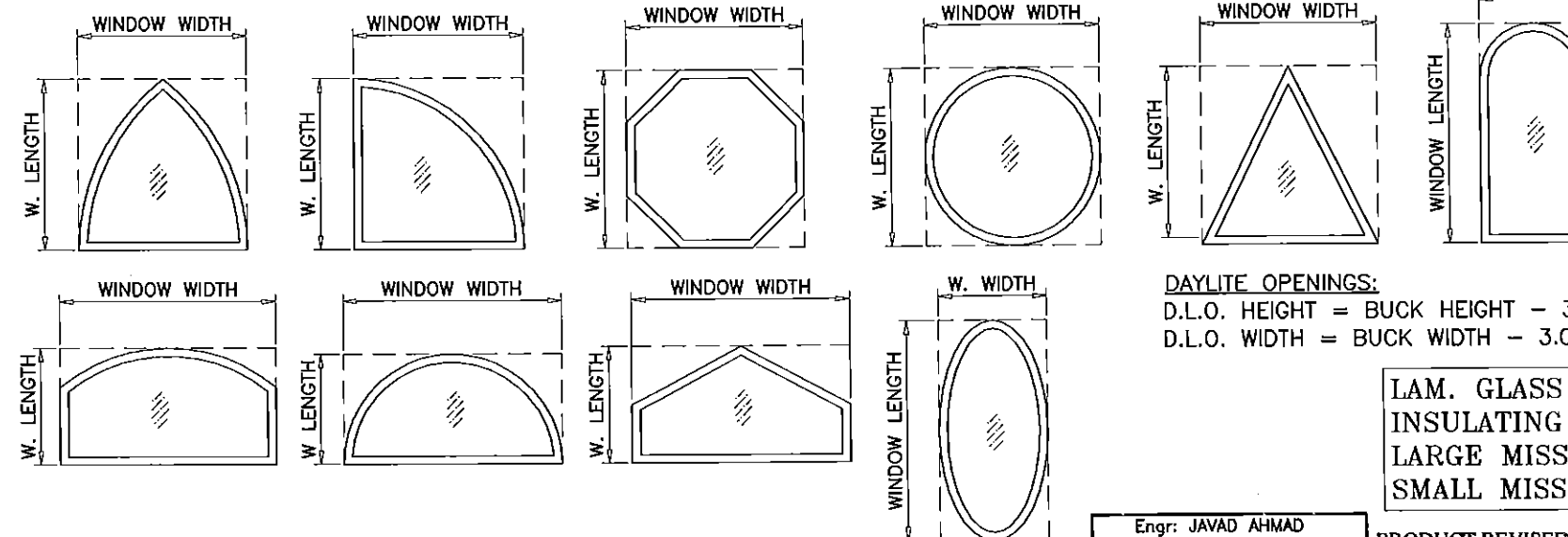
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE.



THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

DAYLITE OPENINGS:
D.L.O. HEIGHT = BUCK HEIGHT - 3.00"
D.L.O. WIDTH = BUCK WIDTH - 3.00"

LAM. GLASS
INSULATING LAM.GLASS
LARGE MISSILE IMPACT
SMALL MISSILE IMPACT

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

MAY 04 2015

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0413.03
Expiration Date SEPT. 22, 2020
By *[Signature]*
Miami Dade Product Control

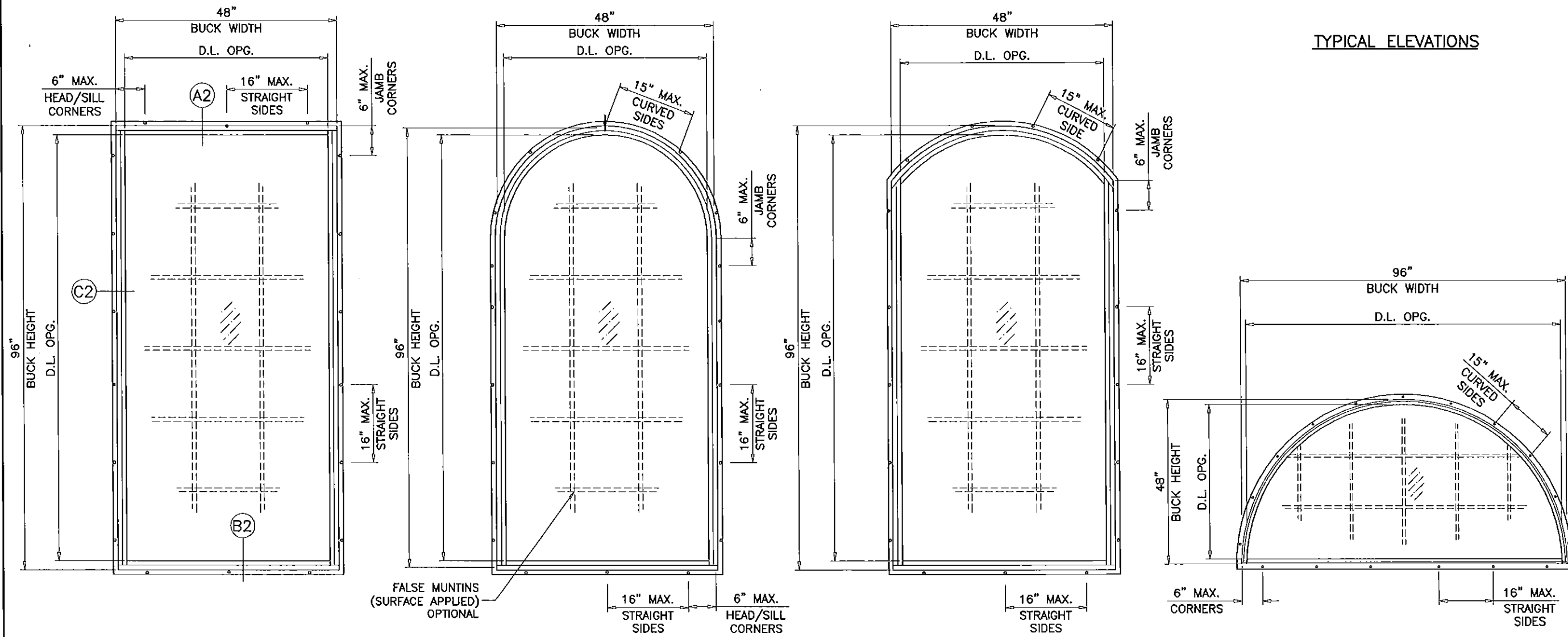
af c
AL-FAROOQ CORP.
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL W10-02CGI

SERIES SENTINEL 130 ALUM FIXED WINDOW (L.M.I.)(S.M.I.)
CGI WINDOWS & DOORS
10100 N.W. 25TH STREET
MIAMI, FL. 33172
TEL (305) 593-6590 FAX (305) 593-6592

Revisions:		date	by	description
C	02.28.11			NO CHANGE THIS SHEET
D	10.10.11			UPDATED TO 2010 FBC
E	07.21.14			UPDATED TO 2014 FBC
F	04.10.15			NO CHANGE THIS SHEET

date:	01-30-10
scale:	1/2"=1'-0"
dr. by:	
chk. by:	

drawing no.	W10-02
sheet	1 of 6



TYPICAL ELEVATIONS

FIN FRAMES

ALTERNATE SHAPES AS SHOWN ON SHEET 1 ALSO AVAILABLE FOR FIN FRAMES

AL-FAROOQ CORP.
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scale: 1/2"=1'-0"

dr. by:

chk. by:

revisions:

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0413.03
Expiration Date Sept. 22, 2020

By: *Manuel Jara*
Miami Dade Product Control

MAY 14 2015

drawing no.
W10-02

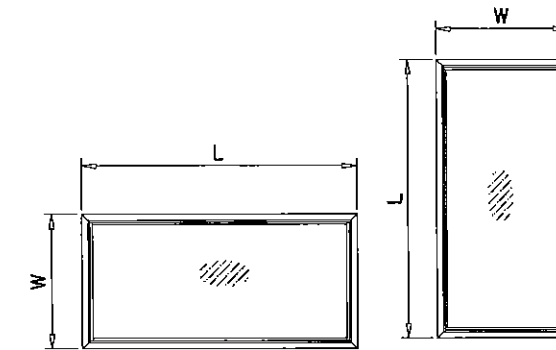
sheet 1.1 of 6

DESIGN LOAD CAPACITY - PSF							
FLANGE DIMS.		BUCK DIMS.		GLASS TYPES 'C' & 'C1'		GLASS TYPES 'D' & 'D1'	
WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	36"	23"	35"	80.0	80.0	80.0	80.0
30"		29"		80.0	80.0	80.0	80.0
36"		35"		80.0	80.0	80.0	80.0
42"		41"		80.0	80.0	80.0	80.0
48"		47"		80.0	80.0	80.0	80.0
54"		53"		80.0	80.0	80.0	80.0
60"		59"		80.0	80.0	80.0	80.0
61"		60"		80.0	80.0	80.0	80.0
24"	48"	23"	47"	80.0	80.0	80.0	80.0
30"		29"		80.0	80.0	80.0	80.0
36"		35"		80.0	80.0	80.0	80.0
42"		41"		70.2	70.2	80.0	80.0
48"		47"		61.3	61.3	80.0	80.0
54"		53"		61.3	61.3	80.0	80.0
60"		59"		61.3	61.3	80.0	80.0
61"		60"		61.3	61.3	80.0	80.0
24"	60"	23"	59"	80.0	80.0	80.0	80.0
30"		29"		80.0	80.0	80.0	80.0
36"		35"		80.0	80.0	80.0	80.0
42"		41"		70.2	70.2	80.0	80.0
48"		47"		61.3	61.3	80.0	80.0
54"		53"		54.3	54.3	72.5	72.5
60"		59"		48.8	48.8	65.1	65.1
61"		60"		48.8	48.8	65.1	65.1
24"	72"	23"	71"	80.0	80.0	80.0	80.0
30"		29"		80.0	80.0	80.0	80.0
36"		35"		80.0	80.0	80.0	80.0
42"		41"		70.2	70.2	80.0	80.0
48"		47"		61.3	61.3	80.0	80.0
54"		53"		54.3	54.3	72.5	72.5
60"		59"		48.8	48.8	65.1	65.1
61"		60"		48.0	48.0	64.0	64.0
24"	84"	23"	83"	80.0	80.0	80.0	80.0
30"		29"		80.0	80.0	80.0	80.0
36"		35"		78.2	78.2	80.0	80.0
42"		41"		70.0	70.0	80.0	80.0
48"		47"		61.3	61.3	80.0	80.0
54"		53"		54.3	54.3	72.5	72.5
56"		55"		52.4	52.4	69.8	69.8
24"	97"	23"	96"	80.0	80.0	80.0	80.0
30"		29"		80.0	80.0	80.0	80.0
36"		35"		75.6	75.6	80.0	80.0
42"		41"		65.2	65.2	80.0	80.0
48"		47"		60.6	60.6	80.0	80.0
49"		48"		59.6	59.6	80.0	80.0
24"	102"	23"	101"	80.0	80.0	80.0	80.0
30"		29"		80.0	80.0	80.0	80.0
36"		35"		74.6	74.6	80.0	80.0
42"		41"		65.7	65.7	80.0	80.0
46"		45"		59.3	59.3	80.0	80.0
24"	108"	23"	107"	80.0	80.0	80.0	80.0
30"		29"		80.0	80.0	80.0	80.0
36"		35"		73.8	73.8	80.0	80.0
42"		41"		62.4	62.4	80.0	80.0
44"		43"		59.1	59.1	80.0	80.0

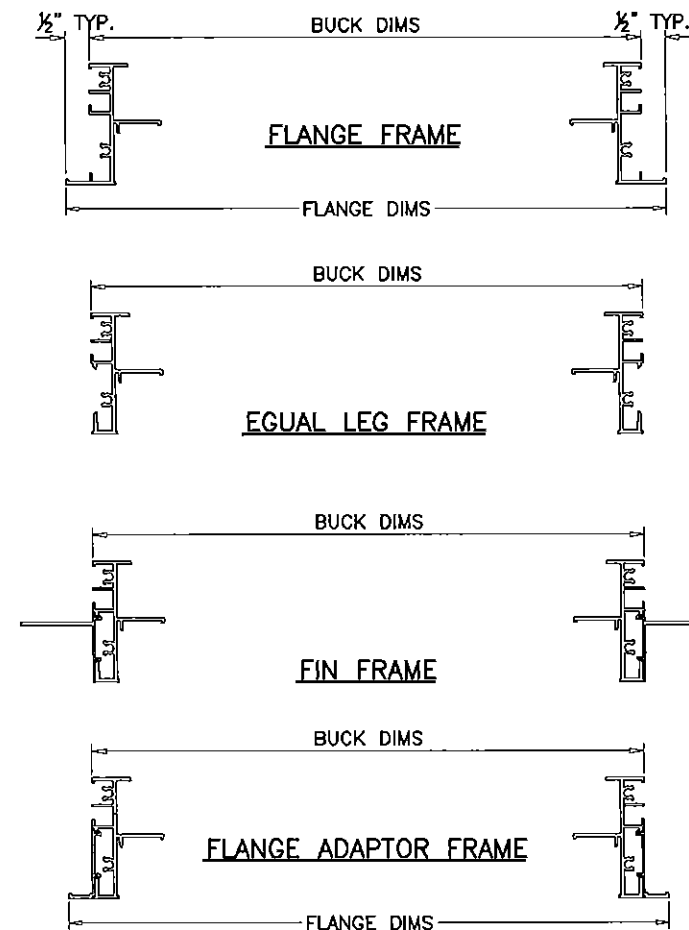
DESIGN LOAD CAPACITY - PSF							
FLANGE DIMS.		BUCK DIMS.		GLASS TYPES 'C' & 'C1'		GLASS TYPES 'D' & 'D1'	
WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	114"	23"	113"	80.0	80.0	80.0	80.0
30"		29"		80.0	80.0	80.0	80.0
36"		35"		73.0	73.0	80.0	80.0
41"		40"		61.4	61.4	80.0	80.0
24"	120"	23"	119"	80.0	80.0	80.0	80.0
30"		29"		80.0	80.0	80.0	80.0
36"		35"		72.4	72.4	80.0	80.0
39"		38"		65.9	65.9	80.0	80.0
24"	121"	23"	120"	80.0	80.0	80.0	80.0
30"		29"		80.0	80.0	80.0	80.0
36"		35"		72.3	72.3	80.0	80.0
39"		38"		65.8	65.8	80.0	80.0

DESIGN LOAD CAPACITY - PSF							
FLANGE DIMS.		BUCK DIMS.		GLASS TYPES 'C' & 'C1'		GLASS TYPES 'D' & 'D1'	
WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8"	26"	18-1/8"	25"	80.0	80.0	80.0	80.0
26-1/2"		25-1/2"		80.0	80.0	80.0	80.0
37"		36"		80.0	80.0	80.0	80.0
48"		47"		80.0	80.0	80.0	80.0
53-1/8"		52-1/8"		80.0	80.0	80.0	80.0
61"	38-3/8"	60"	37-3/8"	80.0	80.0	80.0	80.0
19-1/8"		18-1/8"		80.0	80.0	80.0	80.0
26-1/2"		25-1/2"		80.0	80.0	80.0	80.0
37"		36"		80.0	80.0	80.0	80.0
48"		47"		77.1	77.1	80.0	80.0
53-1/8"		52-1/8"		77.1	77.1	80.0	80.0
61"	50-5/8"	60"	49-5/8"	77.1	77.1	80.0	80.0
19-1/8"		18-1/8"		80.0	80.0	80.0	80.0
26-1/2"		25-1/2"		80.0	80.0	80.0	80.0
37"		36"		80.0	80.0	80.0	80.0
48"		47"		61.3	61.3	80.0	80.0
53-1/8"		52-1/8"		58.0	58.0	77.4	77.4
61"	63"	60"	62"	58.0	58.0	77.4	77.4
75-1/4"		74-1/4"		58.0	58.0	77.4	77.4
93-3/4"		92-3/4"		58.0	58.0	76.5	76.5
19-1/8"		18-1/8"		80.0	80.0	80.0	80.0
26-1/2"		25-1/2"		80.0	80.0	80.0	80.0
37"	76"	36"	75"	80.0	80.0	80.0	80.0
48"		47"		80.0	80.0	80.0	80.0
53-1/8"		52-1/8"		61.3	61.3	80.0	80.0
61"		60"		55.3	55.3	73.7	73.7
75-1/4"		74-1/4"		48.0	48.0	64.0	64.0
19-1/8"	76"	18-1/8"	75"	46.5	46.5	61.9	61.9
26-1/2"		25-1/2"		80.0	80.0	80.0	80.0
37"		36"		80.0	80.0	80.0	80.0
48"		47"		78.9	78.9	80.0	80.0
53-1/8"		52-1/8"		61.3	61.3	80.0	80.0
61"	76"	60"	75"	55.3	55.3	73.7	73.7
75-1/4"		74-1/4"		48.0	48.0	64.0	64.0
93-3/4"		92-3/4"		58.0	58.0	76.5	76.5
19-1/8"		18-1/8"		80.0	80.0	80.0	80.0
26-1/2"		25-1/2"		80.0	80.0	80.0	80.0

ANCHOR SPACING TO BE AS PER SHEETS 1 & 1.1



NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED
VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.



NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

MAY 04 2015

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as complying with the Florida
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Acceptance No. 15-0413.03
Expiration Date Sept. 22, 2020
By *Manuel Jerez*
Miami Dade Product Control

AL-FAROOQ CORP.
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W10-02CGI

SERIES SENTINEL 130 ALUM FIXED WINDOW (L.M.I.) (S.M.I.)

CGI WINDOWS & DOORS
10100 N.W. 25TH STREET
MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

no	date	by	description
C	02.28.11	WDW	SIZES ADDED
D	10.10.11	NO	CHANGE THIS SHEET
E	07.21.14	UPD	TO 2014 FBC
F	04.10.15	NO	CHANGE THIS SHEET

revisions:

date: 01-30-10

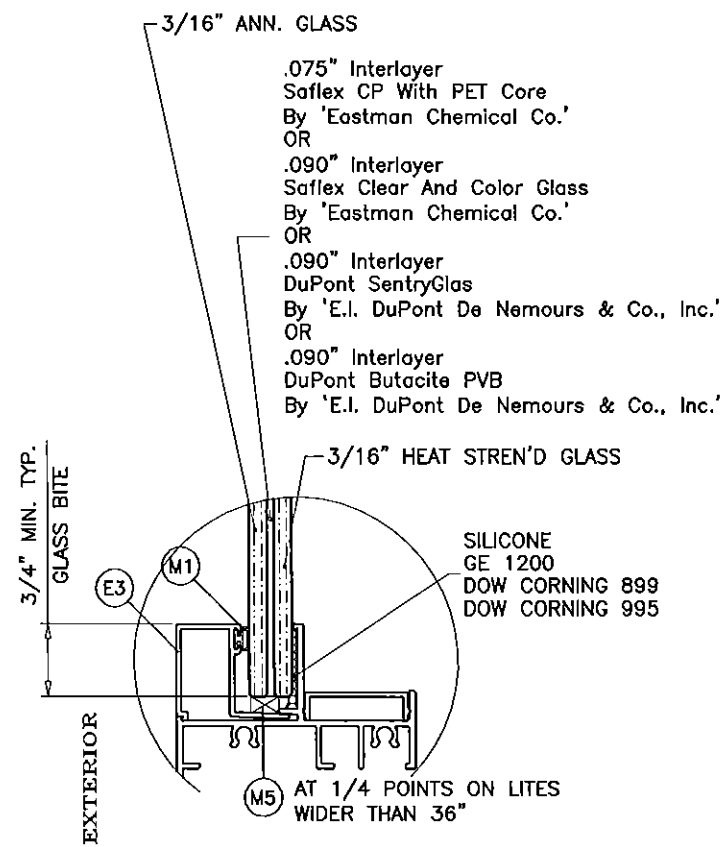
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chk. by:

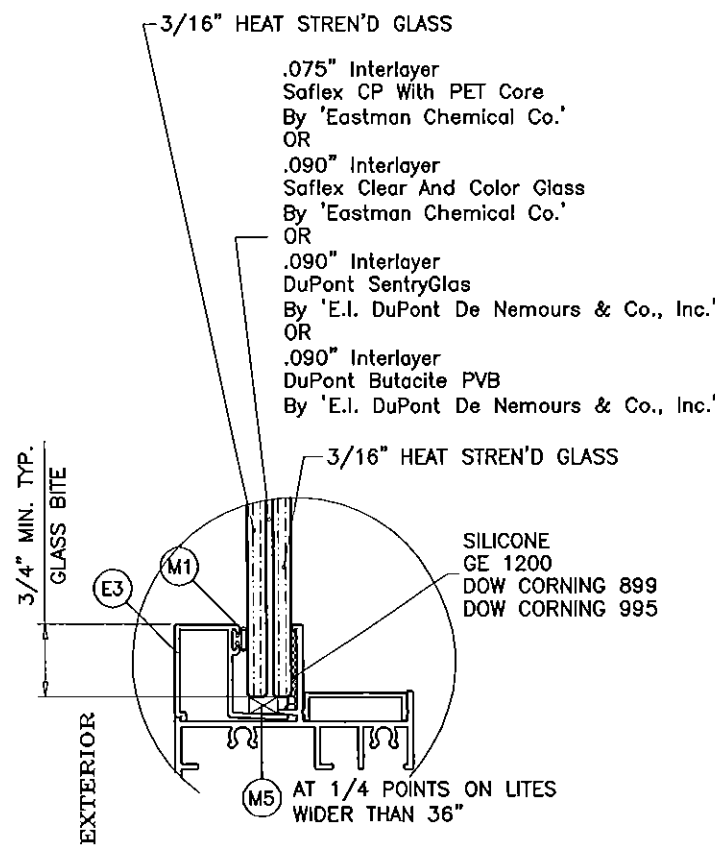
drawing no.
W10-02

sheet 2 of 6

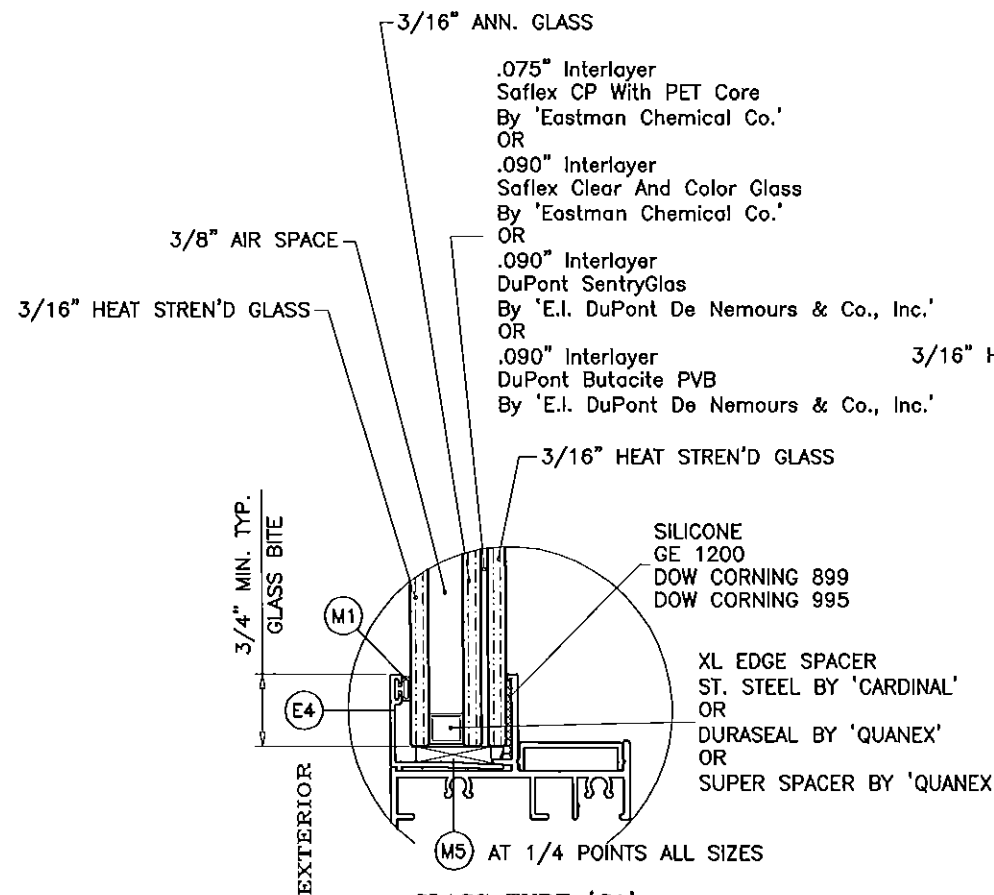


GLASS TYPE 'C'
7/16" OVERALL LAM. GLASS

(L.M.I. & S.M.I.)

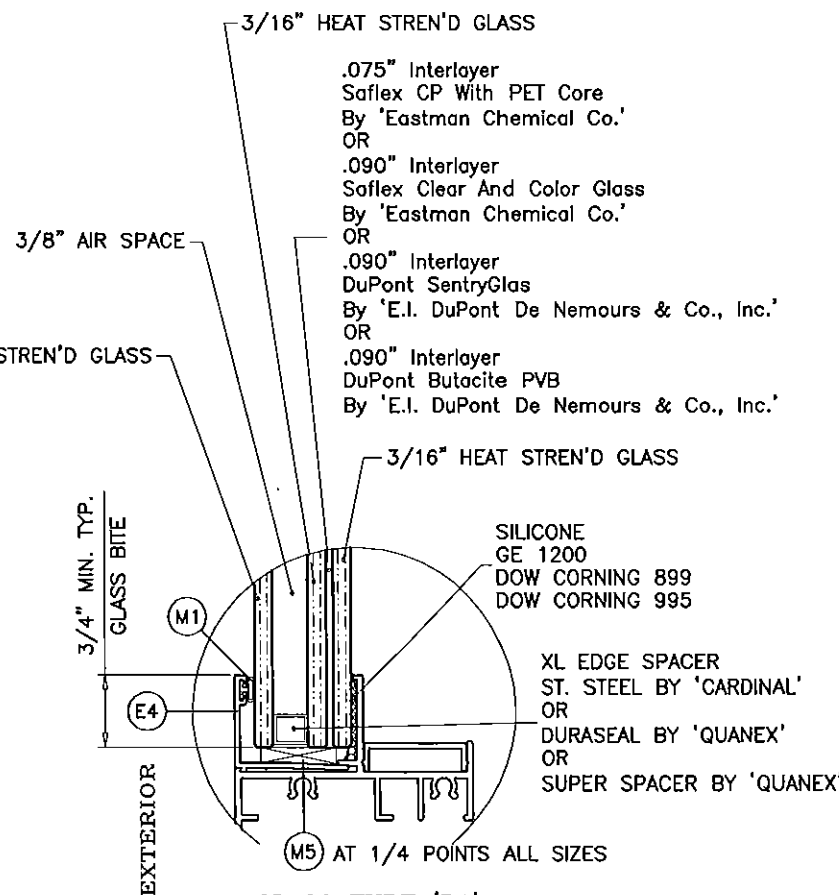


GLASS TYPE 'D'
7/16" OVERALL LAM. GLASS

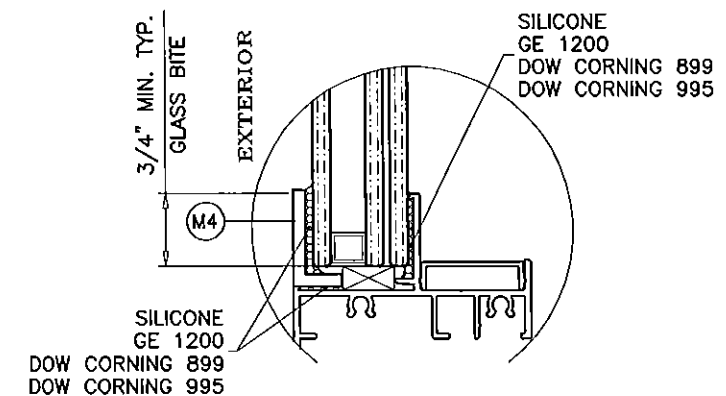


GLASS TYPE 'C1'
1" OVERALL INSUL. LAM. GLASS

(L.M.I. ONLY)



GLASS TYPE 'D1'
1" OVERALL INSUL. LAM. GLASS



OPTIONAL GLAZING DETAIL
GLASS TYPES 'C1' & 'D1'

Engr: JAVAD AHMAD
CML
FLA. PE # 70592
C.A.N. 3538

MAY 04 2019

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0413.03
Expiration Date Sept 22, 2020
By *Manuel Perez*
Miami Made Product Control

AL-FAROOQ CORP.
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1235 S.W. 87 AVE
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COMP-ANL\W10-02CGI

SERIES SENTINEL 130 ALUM FIXED WINDOW (L.M.I.)(S.M.I.)
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	F	04.10.15		INTERLAYER & SPACER REV.

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dr. by:
chk. by:

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W10-02
sheet 3 of 6

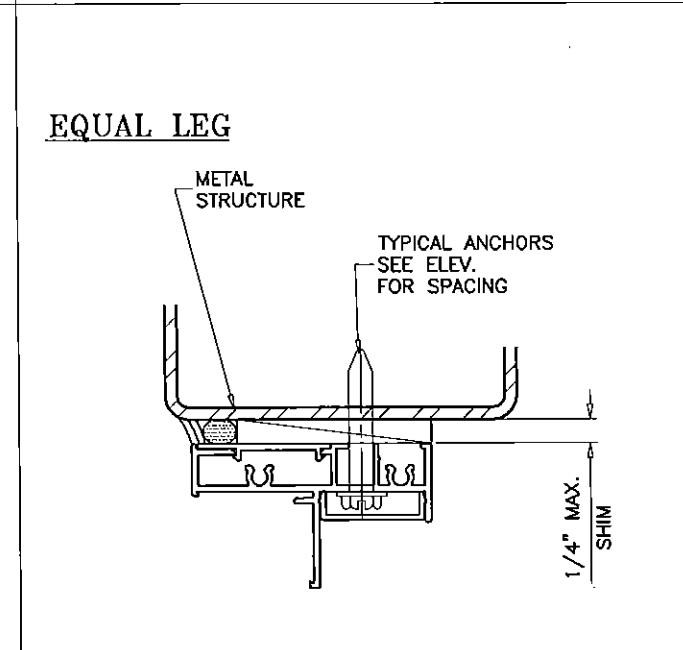
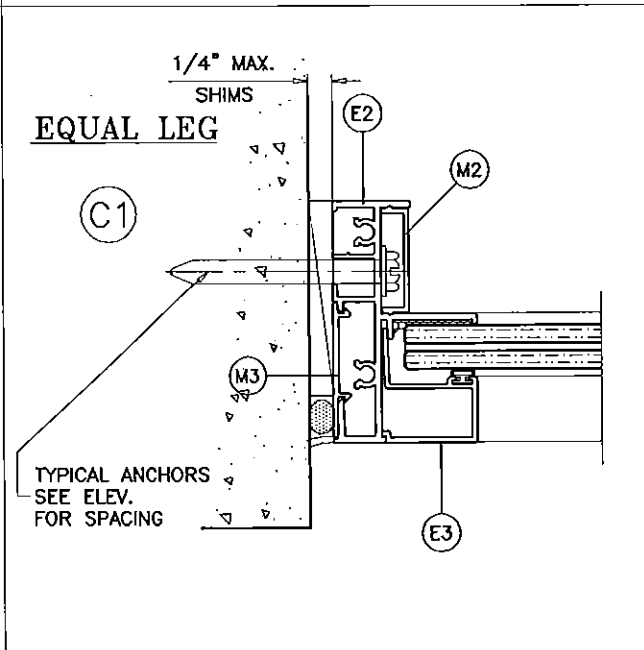
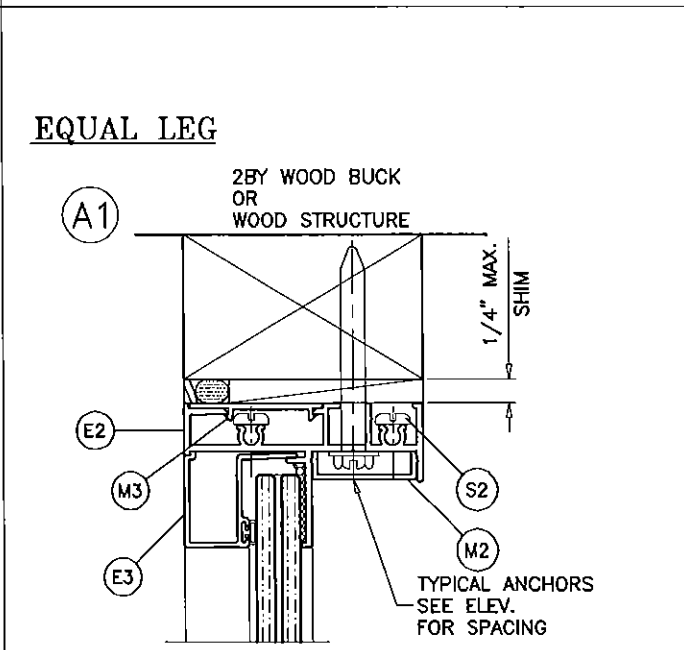
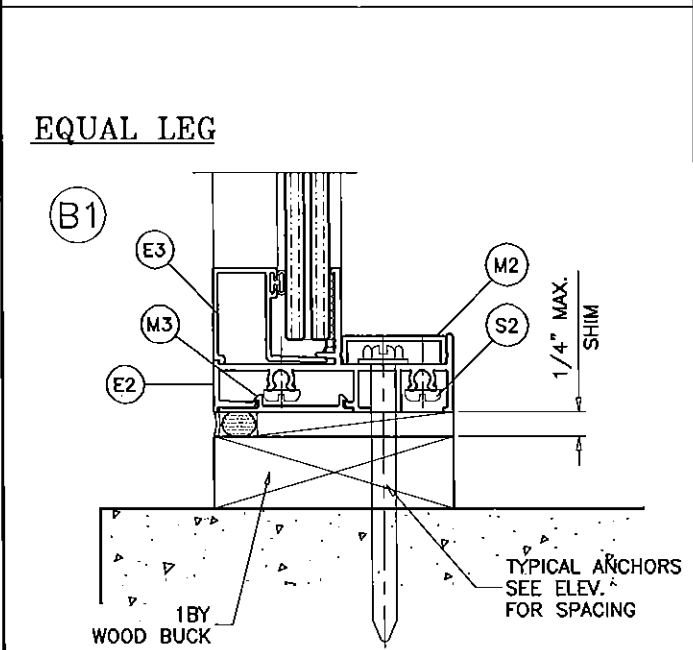
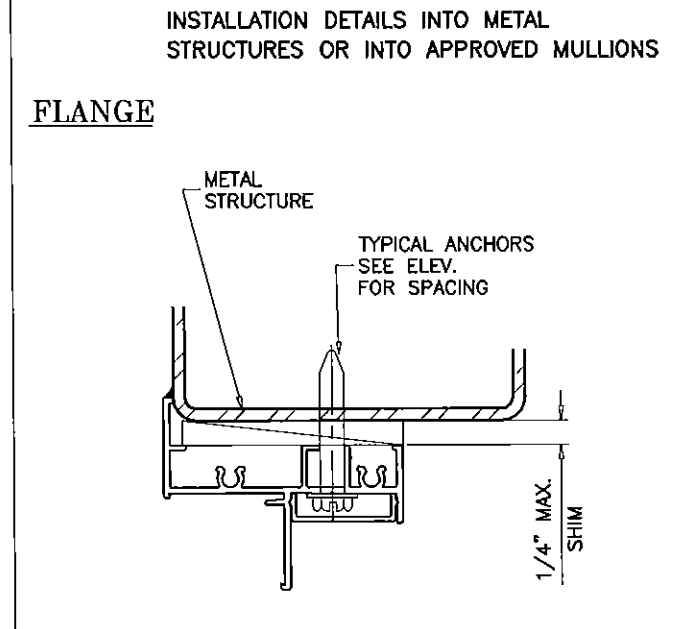
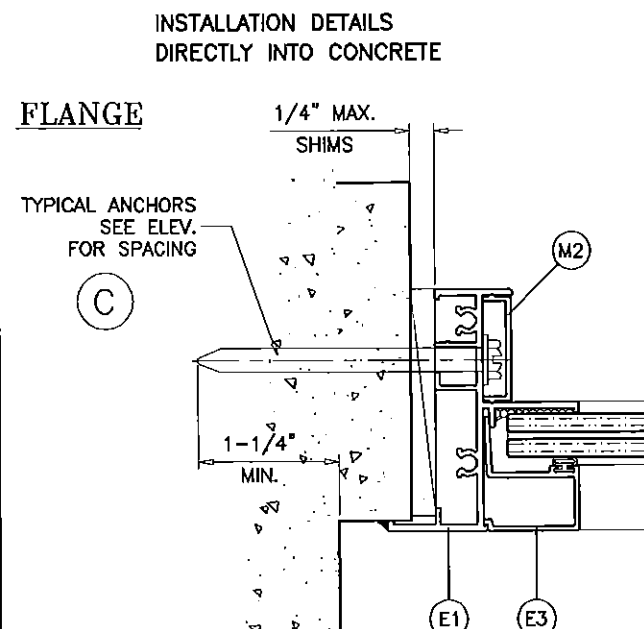
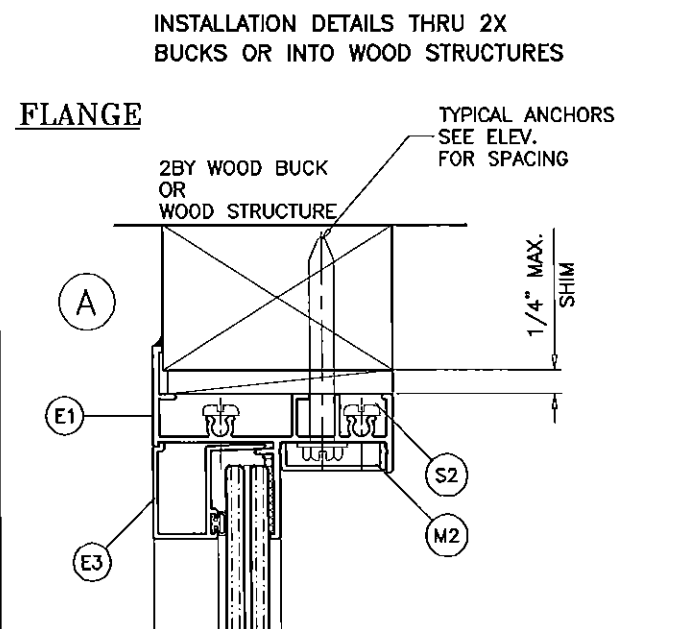
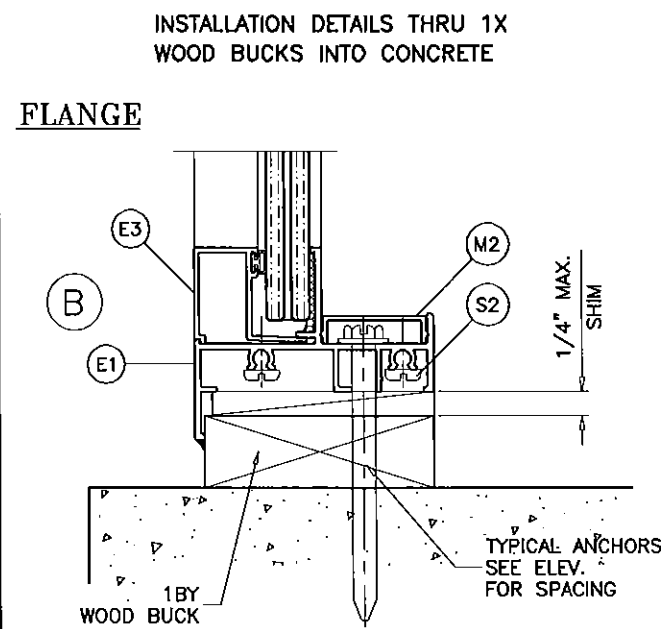
(S.M.I.)
IN ORDER TO QUALIFY FOR SMALL MISSILE IMPACT RATING
EXTERIOR PLY OF GLASS TYPE 'C1' & 'D1' MUST BE TEMPERED.

TYPICAL INSTALLATION DETAILS
THESE DETAILS ARE TYPICAL ON ALL FOUR SIDES OF WINDOW

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)
1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD
THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY
DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO METAL STRUCTURES
STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
(NO SHIM SPACE)

WOOD BUCKS AND METAL STRUCTURE NOT BY CGI WDW.
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

Engr: JAVAD AHMAD
CML
FLA. PE # 70592
C.A.N. 3538
MAY 04 2015

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By: [Signature]
Miami Dade Product Control

af c

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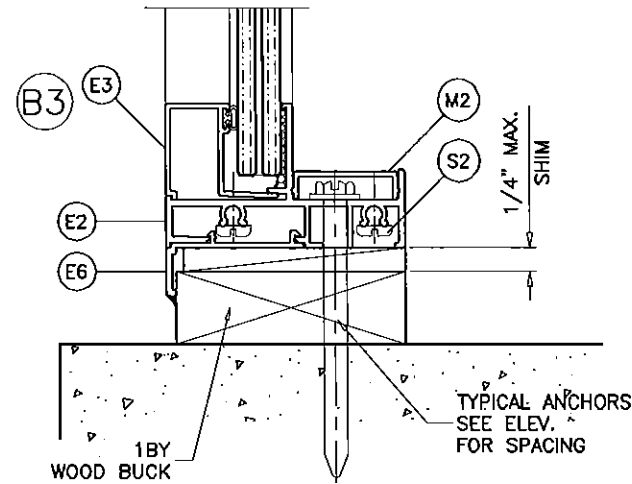
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chk: by:

drawing no.
W10-02
sheet 4 of 6

TYPICAL INSTALLATION DETAILS
THESE DETAILS ARE TYPICAL ON ALL FOUR SIDES OF WINDOW

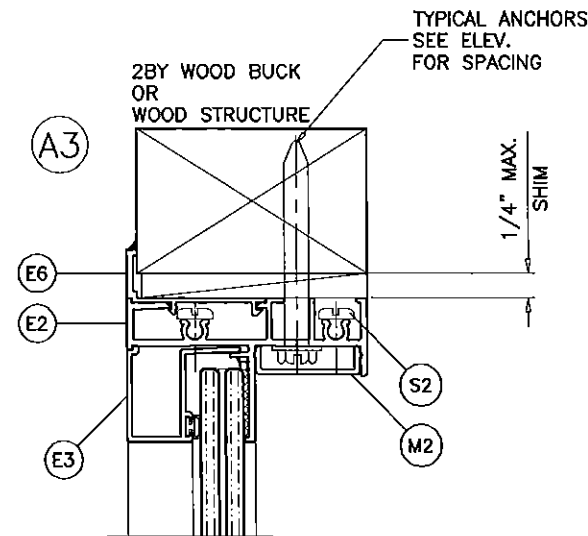
INSTALLATION DETAILS THRU 1X
WOOD BUCKS INTO CONCRETE

FLANGE ADAPTOR



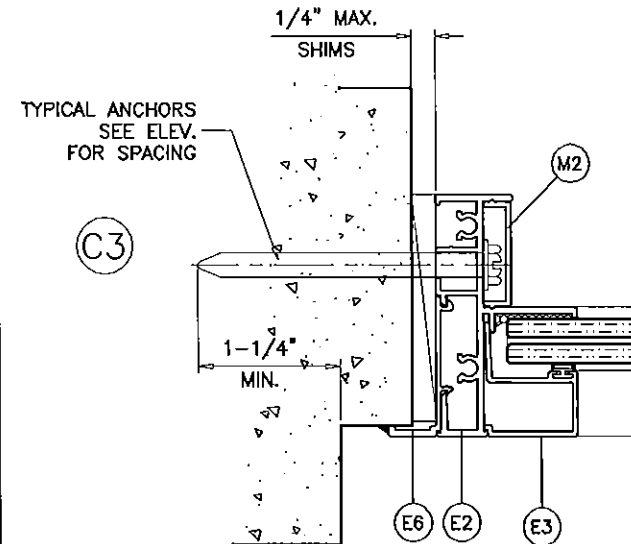
INSTALLATION DETAILS THRU 2X
BUCKS OR INTO WOOD STRUCTURES

FLANGE ADAPTOR



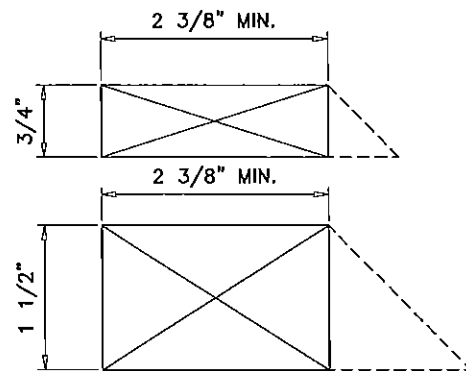
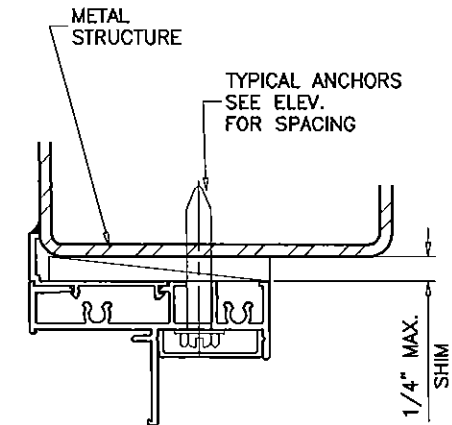
INSTALLATION DETAILS
DIRECTLY INTO CONCRETE

FLANGE ADAPTOR



INSTALLATION DETAILS INTO METAL
STRUCTURES OR INTO APPROVED MULLIONS

FLANGE ADAPTOR

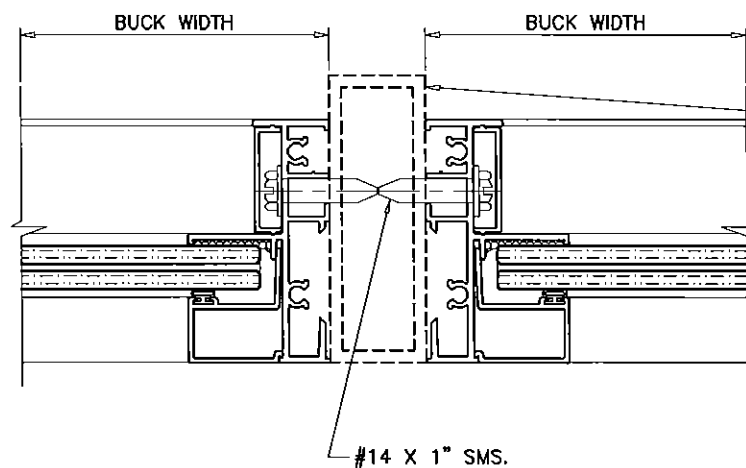
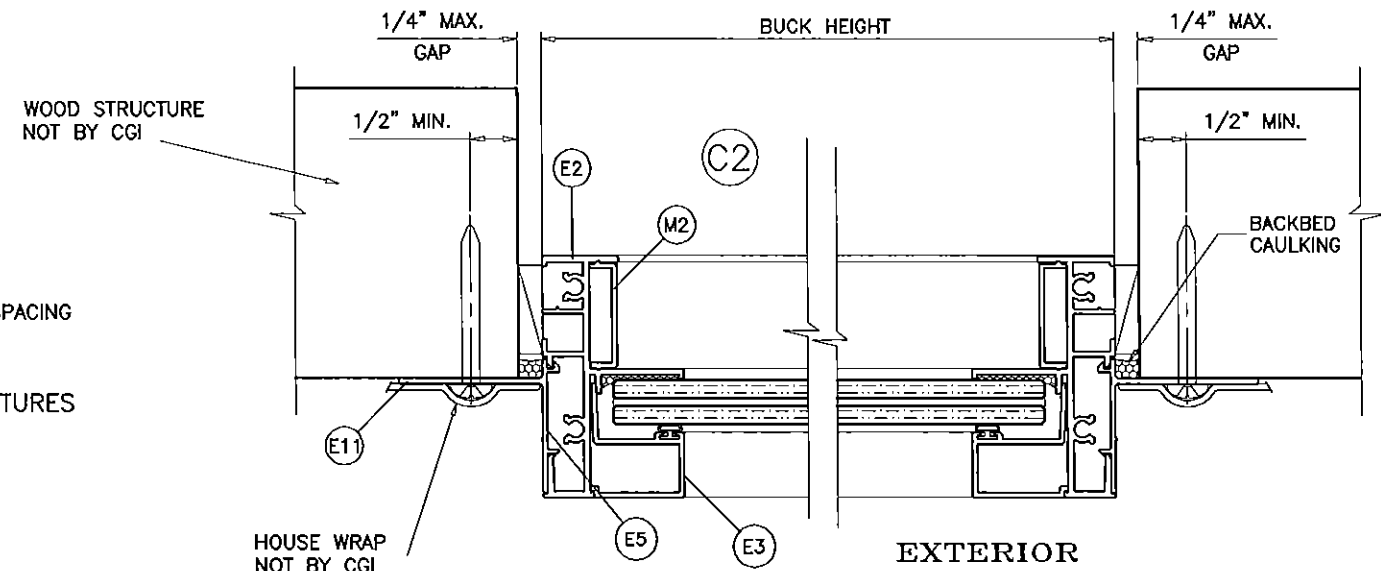


WHEN USED THE MIN. WOOD
BUCK DEPTH SHALL BE 2 3/8".
THE USE OF DEEPER OR
BEVELED WOODBUCKS IS
PERMITTED.

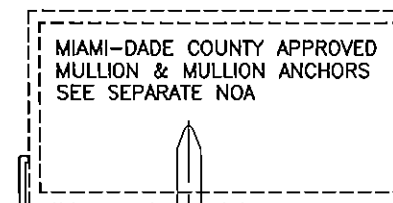
FIN FRAME

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

#8 SMS (GRADE 2 CRS)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/4" MIN. PENETRATION INTO WOOD



MIAMI-DADE COUNTY
APPROVED MULLION
& MULLION ANCHORS
SEE SEPARATE NOA



TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

MAY 04 2015

PRODUCT REVISED
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By *Manuel Arz*
Miami Dade Product Control

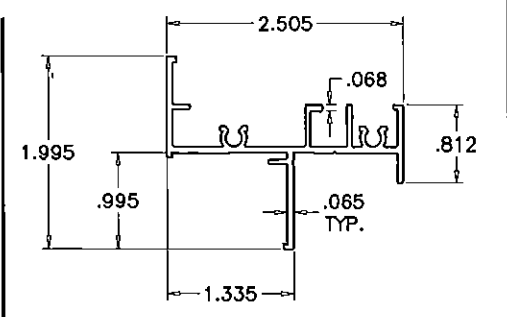
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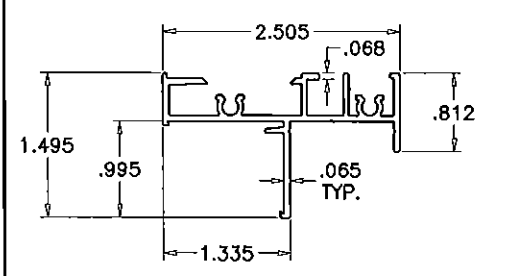
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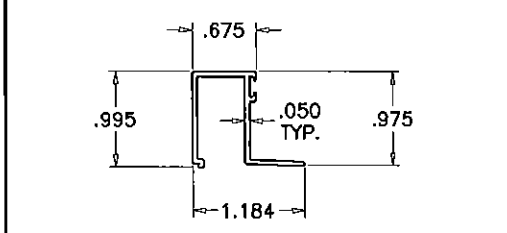
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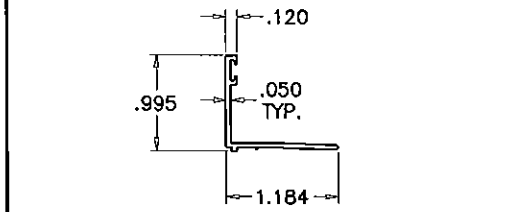
(E1) FLANGE FRAME



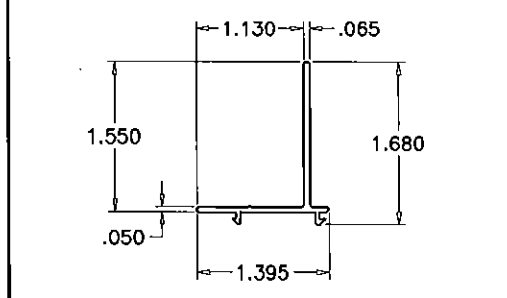
(E2) FLUSH FRAME/FIN FRAME



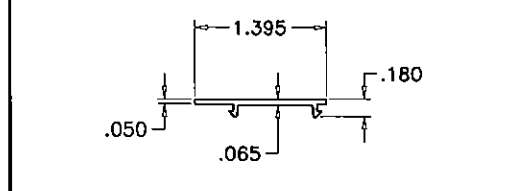
(E3) GLAZING BEAD (LAM. GLASS)



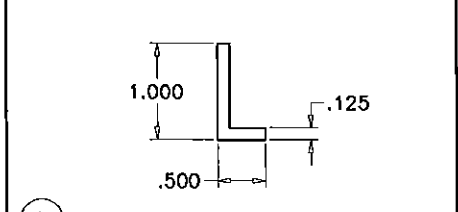
(E4) GLAZING BEAD (LAM. INSUL. GLASS)



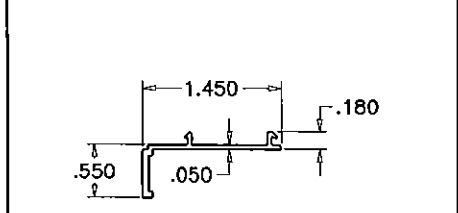
(E5) NAIL FIN ADAPTOR



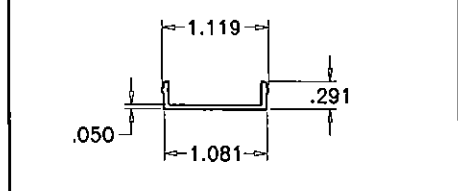
(M3) FLUSH FRAME COVER



(M4) GLAZING ANGLE (LAM. INSUL. GLASS)

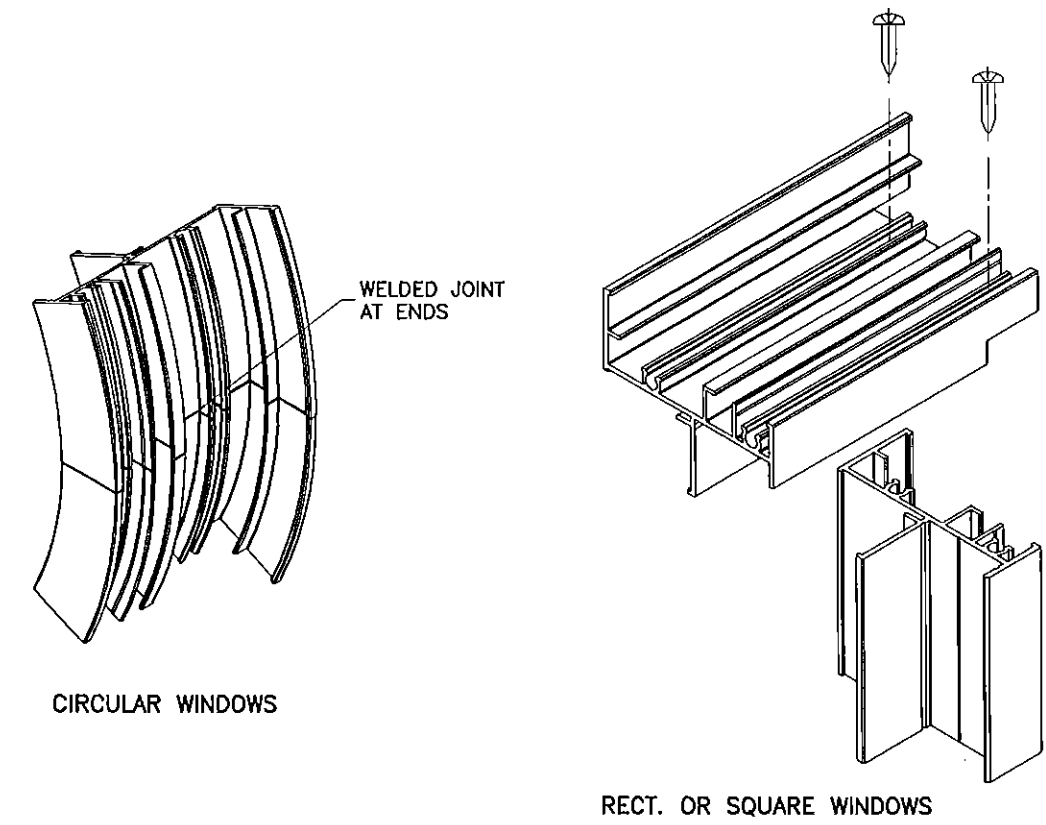


(E6) FLANGE ADAPTOR



(M2) SCREW COVER

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	CGI-118	4/ WDW.	FLANGE FRAME	6063-T6	-
E2	CGI-119	4/ WDW.	FLUSH FRAME/FIN FRAME	6063-T6	-
E3	CGI-121	4/ WDW.	GLAZING BEAD (LAM. GLASS)	6063-T6	-
E4	CGI-123	4/ WDW.	GLAZING BEAD (LAM. INSUL. GLASS)	6063-T6	-
E5	CGI-110	4/ WDW.	NAIL FIN ADAPTOR	6063-T6	-
E6	CGI-109	4/ WDW.	FRONT FLANGE ADAPTOR	6063-T6	-
M1	CGI-382V	AS REQD.	GLAZING BULB VINYL	PVC	DUROMETER 75-80 SHORE A
M2	CGI-124	AS REQD.	SCREW COVER- OPTIONAL	PVC	-
M3	CGI-112	AS REQD.	FLUSH FRAME COVER	PVC	-
M4	-	OPTIONAL	GLAZING ANGLE (1 X 1/2 X 1/8")	6063-T5	-
M5	-	2/ LITE	SETTING BLOCKS	EPDM	DUROMETER 85±5 SHORE A
S2	#10 X 1-1/4"	2/ CORNER	ASSEMBLY SCREW PHL. PH SMS	ST/ST	-



TYP. CORNER DETAILS

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Miami Dade Product Control

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